

May 27, 1987

TO: File

FROM: Frank Jensen, Soils Reclamation Specialist *Frank Jensen*

RE: Southwest Portland Cement Co., Nielson Sandstone Quarry,  
ACT/023/012 (Formerly DOE/023/025)

On May 14, 1987 Terry Kerby of the company and I reviewed the subject case, as they are completing an MR-1 because they plan to expand the quarry.

I gave the company a suggested seed mixture, fertilization rate, and other information for their MR-1.

We also ran a vegetation transect to determine ground cover. The result of the transect was:

Ground Cover

Vegetation	Percentage
Bluebunch wheatgrass	5
Bluegrass (Poe spp.)	1
Big sagebrush	<u>6</u>
Total ground cover	12
Litter	7
Rock and Pavement	22
Bare Ground	<u>59</u>
	100

\*Note: There is also an overstory of five to ten percent Utah Juniper which was not counted as ground cover.

With a vegetative ground cover of 12 percent reclamation efforts will need to reestablish eight percent ground cover (70 percent of original). Following are photographs of this site:

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Photo #1 - Nielson Sandstone Quarry - May 21, 1987. This quarry is southfacing and will be somewhat hard to revegetate unless a good layer (1-2 feet) of topsoil is put on the disturbed areas. If that much topsoil is put on and ~~they are~~ seeded properly, it will be possible to reestablish the required eight percent ground cover.

Note: The red colored vegetation is cheatgrass. It was not counted in the transect.



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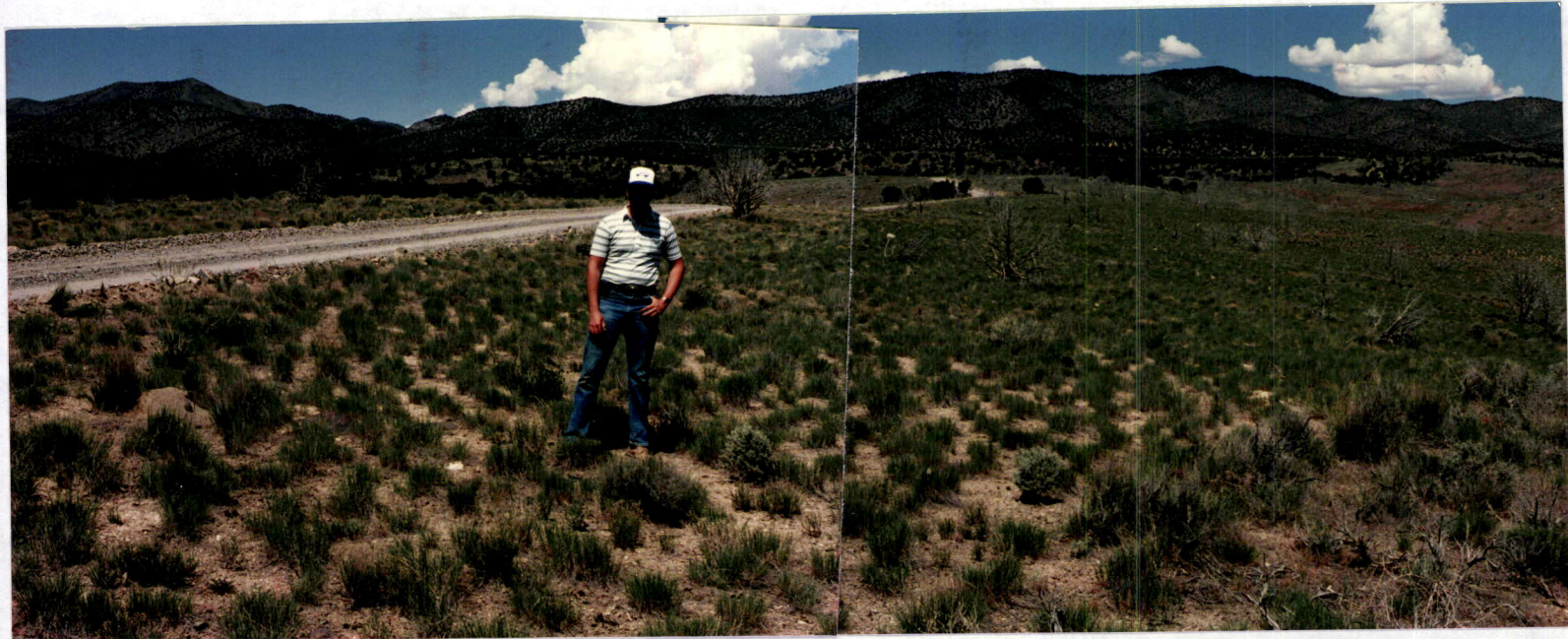


Photo #2 - This area, near the quarry, was reseeded by the Bureau of Land Management following a fire. It is a good seeding of crested wheatgrass and Russian wildrye. With this area so close, there is no need for a seeding study plot. (Terry Kerby in photograph).

clj  
cc: Southwest Portland Cement Company  
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